

CT DEP's Form for EPA's Mandated Elements for GRTS

Select appropriate field to enter data – type value or choose appropriate default value. All completed material shall be submitted by e-mail to Stanley.zaremba@po.state.ct.us or mail to: Stanley Zaremba, DEP/Water Management, 79 Elm Street, Hartford, CT 06106-5127.

*Denotes EPA mandated items.

This shaded section will be filled out by DEP Grant Number _____ Fiscal Year _____

Project Header Information

GRTS Project number: (example Project #1)

State project number: (example Project #05-01)

Project Title: (example NPS Implementation)*

Project Description*

Background/Overview of the Project *– **Provide a short summary of the history or background of the project. Denote how the pollutants are impacting the receiving waters; is this particular stream reach(es) identified in the state's nonpoint annual plan; the priority which the particular waterbody holds within the state's plan; the method to monitor or model the BMPs performance; and a narrative).**

Objectives and Goals of Project *– **What are the anticipated benefits and goals of the project and how do they relate to the states water quality plan. A. Expected outcome: anticipated project success B. Output: project practices initiated, videos, workshops, field days, reports, etc.)**

Methods Employed* **-Describe the approach selected to address/correct the problem(s) (e.g. Educational program types of BMPs installed, and the anticipated life of the BMPs)**

Budget*

The number of State full time employees (FTE's) funded under this grant (for DEP projects only)*	
319(h) Base Funds:*	
319(h) Incremental Funds:*	
Total 319 (h) Funds*	

For additional information:

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Scheduling*

This shaded section will be filled out by DEP Did/Will start on: * _____ Will be/Was completed on: * _____

Categories & Codes

NPS Functional Category of Activity*

Primary*: These activities are intended to identify the principal or main approach, remedy, or solution to achieve the objective of the project. If you select 100, 201, 202, 410, 600 then you must select all sources in the NPS primary category of pollution field. (Choose one primary category that has a numeric code from list below). To enter – select appropriate box and type value or choose appropriate default value.

Restoration/Protection/Prevention		Restoration/Protection/Prevention	
Select boxes below	PRIMARY FUNCTIONAL CATEGORY OF ACTIVITY	Select boxes below	PRIMARY FUNCTIONAL CATEGORY OF ACTIVITY
<input type="checkbox"/>	010 - Corrective Action (other than BMP implementation)	Planning	
<input type="checkbox"/>	011 - BMP Design/Implementation	<input type="checkbox"/>	401 - Nutrient Management Planning
<input type="checkbox"/>	012 - BMP Performance Assessment	<input type="checkbox"/>	402 - Watershed Modeling Planning
<input type="checkbox"/>	013 - Animal Manure/Litter Management Projects	<input type="checkbox"/>	403 - Stormwater Management Planning
<input type="checkbox"/>	014 - Livestock Control Projects	<input type="checkbox"/>	404 - Watershed Restoration Action Strategy (WRAS)/Watershed PI
<input type="checkbox"/>	016 - Vegetation Management/Revegetation	<input type="checkbox"/>	410 - Geographic Information Systems
<input type="checkbox"/>	017 - Stream Bank Stabilization	<input type="checkbox"/>	420 - Develop/Revise Basin Plans
<input type="checkbox"/>	018 - Grade Stabilization	<input type="checkbox"/>	430 - TMDLs
<input type="checkbox"/>	019 - Sediment Control	<input type="checkbox"/>	440 - Nonstructural Planning (for new development)
<input type="checkbox"/>	020 - Stormwater Discharge Design/ Control	<input type="checkbox"/>	450 - Livestock Grazing System Planning
<input type="checkbox"/>	021 - Erosion Control Projects	<input type="checkbox"/>	490 - Other Planning
<input type="checkbox"/>	022 - Acquisition of Wetland Resources	Water Quality Assessment/Monitoring	
<input type="checkbox"/>	023 - Wetland Restoration/Protection	<input type="checkbox"/>	501 - In-stream Flow Assessments
<input type="checkbox"/>	024 - Acquisition of Riparian Resources	<input type="checkbox"/>	502 - Assessments for Compliance with Water Quality Standards
<input type="checkbox"/>	025 - Riparian Projects	<input type="checkbox"/>	503 - Wetland Assessment/ Monitoring
<input type="checkbox"/>	026 - Fisheries Projects	<input type="checkbox"/>	504 - Riparian Assessment/ Monitoring
<input type="checkbox"/>	027 - Other Restoration/Protection/Prevention	<input type="checkbox"/>	505 - TMDL Assessments
Education/Information Programs		<input type="checkbox"/>	510 - Water Quality Trend Assessment
<input type="checkbox"/>	100 - Statewide Education/Information Programs	<input type="checkbox"/>	520 - Water Quality Problem Identification
<input type="checkbox"/>	101 - Local (Specific Target) Education/Information Programs	<input type="checkbox"/>	590 - Other Water Quality Assessment /Monitoring
Technical Assistance		Water Quality Assessment/Monitoring	
<input type="checkbox"/>	200 - Technical Assistance to State/Local	<input type="checkbox"/>	600 - BMP Effectiveness Monitoring
<input type="checkbox"/>	201 - Nonpoint Source Program Overall Coordination/ Management	<input type="checkbox"/>	610 - Biological Monitoring
<input type="checkbox"/>	202 - Nonpoint Source Project Staffing	<input type="checkbox"/>	620 - Watershed Assessments
<input type="checkbox"/>	230 - Technology Transfer to State/ Local Government	319(h) National Monitoring Project	
<input type="checkbox"/>	290 - Other Technical Assistance Activity	<input type="checkbox"/>	800 - 319(h) National Monitoring Project
Regulatory/Enforcement		Other Activities	
<input type="checkbox"/>	300 - Certification Activities	<input type="checkbox"/>	910 - Groundwater (all groundwater activities)
<input type="checkbox"/>	310 - Program Development Activities	<input type="checkbox"/>	920 - Anti-degradation Activities and Analyses
<input type="checkbox"/>	320 - Inspection Activities	<input type="checkbox"/>	930 - Soil Analyses
<input type="checkbox"/>	330 - Ordinance Development		
<input type="checkbox"/>	340 - Enforcement Activities		

NPS Category of Pollution*

Primary:* The Primary NPS category of pollution is intended to identify the principal or main pollutant the project is attempting to correct. (Choose category/categories from list below. Enter estimated % of 319 funds). To enter – select appropriate box and type value or choose appropriate default value.

Select items below	PRIMARY CATEGORY OF POLLUTION (Select up to a maximum of five)	PERCENT AMOUNT % (increments of 10's to add up to 100%)
<input type="checkbox"/>	0000 All Sources	%
<input type="checkbox"/>	1000 Agriculture	%
<input type="checkbox"/>	1600 Animal Feeding Operations	%
<input type="checkbox"/>	2000 Silviculture	%
<input type="checkbox"/>	3000 Construction	%
<input type="checkbox"/>	4000 Urban Runoff/Stormwater	%
<input type="checkbox"/>	5000 Resource Extraction	%
<input type="checkbox"/>	6000 Land Disposal/Storage/Treatment	%
<input type="checkbox"/>	7000 Hydromodification	%
<input type="checkbox"/>	7900 Marinas and Recreational Boating	%
<input type="checkbox"/>	8000 Other NPS Pollution	%
<input type="checkbox"/>	8500 Historical Pollutants	%
<input type="checkbox"/>	8700 Turf Management	%
	Total Percent	%

Secondary Category of Pollution

Other NPS Categories of Pollution that apply to the project. Choose as many as appropriate - secondary category/categories from list below. To enter – select appropriate box and type value or choose appropriate default value.

Select items below	SECONDARY CATEGORY OF POLLUTION	Select items below	SECONDARY CATEGORY OF POLLUTION
<input type="checkbox"/>	1100 - Non-Irrigated Crop Production	<input type="checkbox"/>	4192 - Residential (e.g. non-commercial automotive/pet waste/etc
<input type="checkbox"/>	1200 - Irrigated Crop Production	<input type="checkbox"/>	4400 - Illicit Connections/Illegal Hook-ups
<input type="checkbox"/>	1300 - Specialty Crop Production (e.g. horticulture/citrus/nuts/	<input type="checkbox"/>	4450 - Dry Weather Flows
<input type="checkbox"/>	1350 - Grazing-Related Sources	<input type="checkbox"/>	4500 - Highway/Road/Bridge Runoff
<input type="checkbox"/>	1400 - Pasture Grazing	<input type="checkbox"/>	4590 - Post-Development Erosion and Sedimentation
<input type="checkbox"/>	1500 - Range Grazing	<input type="checkbox"/>	4650 - Salt Storage Sites
<input type="checkbox"/>	1700 - Aquaculture	<input type="checkbox"/>	5100 - Surface Mining
<input type="checkbox"/>	2100 - Harvesting/Residue Management	<input type="checkbox"/>	5200 - Subsurface Mining
<input type="checkbox"/>	2200 - Forest Management (e.g. pumped drainage/fertilization/pesticide app)	<input type="checkbox"/>	5290 - Open Pit Mining
<input type="checkbox"/>	2300 - Road Construction/Maintenance	<input type="checkbox"/>	5300 - Placer Mining
<input type="checkbox"/>	2990 - Reforestation	<input type="checkbox"/>	5400 - Dredge Mining
<input type="checkbox"/>	3100 - Highways/Roads/Bridges	<input type="checkbox"/>	5500 - Petroleum Activities
<input type="checkbox"/>	3200 - Land Development or Redevelopment	<input type="checkbox"/>	5600 - Mill Tailings
<input type="checkbox"/>	4190 - Municipal		
<input type="checkbox"/>	4191 - Commercial		

<input type="checkbox"/>	5700 - Mine Tailings
<input type="checkbox"/>	5800 - Abandoned Mine Drainage
<input type="checkbox"/>	5990 - Sand/Gravel Mining
<input type="checkbox"/>	6200 - Wastewater
<input type="checkbox"/>	6300 - Landfills
<input type="checkbox"/>	6350 - Inappropriate Waste Disposal
<input type="checkbox"/>	6400 - Industrial Land Management
<input type="checkbox"/>	6500 - On-site/Decentralized Wastewater Treatment
<input type="checkbox"/>	6600 - Hazardous Waste
<input type="checkbox"/>	6700 - Septage Disposal
<input type="checkbox"/>	6800 - Waste Storage/Storage Tank Leaks (above ground)
<input type="checkbox"/>	6900 - Waste Storage/Storage Tank Leaks (underground)
<input type="checkbox"/>	7100 - Channelization
<input type="checkbox"/>	7190 - Channel Erosion/Incision
<input type="checkbox"/>	7200 - Dredging
<input type="checkbox"/>	7300 - Dam Construction
<input type="checkbox"/>	7350 - Upstream Impoundment
<input type="checkbox"/>	7400 - Flow Regulations/Modification
<input type="checkbox"/>	7550 - Other Habitat Modification
<input type="checkbox"/>	7600 - Removal of Riparian Vegetation
<input type="checkbox"/>	7700 - Streambank or Shoreline Modification/Destabilization
<input type="checkbox"/>	7800 - Drainage/Filling of Wetlands
<input type="checkbox"/>	7850 - Groundwater Withdrawal
<input type="checkbox"/>	7990 - Pumpouts
<input type="checkbox"/>	7991 - Sanitary On-Vessel Discharges
<input type="checkbox"/>	7992 - Other On-Vessel Discharges
<input type="checkbox"/>	7994 - Boat Construction
<input type="checkbox"/>	7995 - Boat Maintenance
<input type="checkbox"/>	7996 - Shoreline Erosion
<input type="checkbox"/>	7997 - Fueling
<input type="checkbox"/>	7998 - Dredging
<input type="checkbox"/>	8050 - Erosion From Derelict Land
<input type="checkbox"/>	8100 - Atmospheric Deposition
<input type="checkbox"/>	8400 - Spills
<input type="checkbox"/>	8590 - Contaminated Sediments
<input type="checkbox"/>	8591 - Clean Sediments
<input type="checkbox"/>	8592 - Other Historical Pollutants
<input type="checkbox"/>	8600 - Natural Sources
<input type="checkbox"/>	8700 - Recreational and Tourism Activities (non-boating)
<input type="checkbox"/>	8710 - Golf Courses
<input type="checkbox"/>	8790 - Yard Maintenance
<input type="checkbox"/>	8791 - Other Turf Management
<input type="checkbox"/>	8910 - Groundwater Loadings
<input type="checkbox"/>	8950 - Wildlife

BMP Category:*

Select items below.	BMP Name (Choose up to a maximum of 25 BMP's). To enter – select appropriate box and choose appropriate default value.				
<input type="checkbox"/>	560	Access Road	<input type="checkbox"/>	400	Floodwater Diversion
<input type="checkbox"/>	311	Alley Cropping	<input type="checkbox"/>	404	Floodway
<input type="checkbox"/>	921	Alternative Septic System	<input type="checkbox"/>	511	Forage Harvest Management
<input type="checkbox"/>	914	Alternative Water Sources	<input type="checkbox"/>	652	Forest - Direct Seeding
<input type="checkbox"/>	575	Animal Trails and Walkways	<input type="checkbox"/>	408	Forest - Erosion Control
<input type="checkbox"/>	450	Anionic Polyacrylamide (PAM) Erosion Control	<input type="checkbox"/>	654	Forest - Improved Harvest
<input type="checkbox"/>	916	Baffle Boxes	<input type="checkbox"/>	409	Forest - Land Management
<input type="checkbox"/>	357	Barnyard Runoff Control	<input type="checkbox"/>	660	Forest - Pruning
<input type="checkbox"/>	310	Bedding	<input type="checkbox"/>	490	Forest - Site Preparation
<input type="checkbox"/>	314	Brush Management	<input type="checkbox"/>	666	Forest - Stand Improvement
<input type="checkbox"/>	322	Channel Vegetation	<input type="checkbox"/>	655	Forest - Trails and Landings
<input type="checkbox"/>	324	Chiseling & Subsoiling	<input type="checkbox"/>	391	Forest Buffer - Riparian
<input type="checkbox"/>	326	Clearing & Snagging	<input type="checkbox"/>	410	Grade Stabilization Structure
<input type="checkbox"/>	397	Commercial Fishponds	<input type="checkbox"/>	412	Grassed Waterway
<input type="checkbox"/>	317	Composting Facility	<input type="checkbox"/>	411	Grasses/Legumes Rotation
<input type="checkbox"/>	327	Conservation Cover	<input type="checkbox"/>	352	Grazing - Deferred
<input type="checkbox"/>	328	Conservation Crop Rotation	<input type="checkbox"/>	548	Grazing - Land Mechanical Treatment
<input type="checkbox"/>	329	Conservation Tillage	<input type="checkbox"/>	556	Grazing - Planned Systems
<input type="checkbox"/>	332	Contour Buffer Strips	<input type="checkbox"/>	528	Grazing - Prescribed
<input type="checkbox"/>	330	Contour Farming	<input type="checkbox"/>	011	Green Roof System
<input type="checkbox"/>	331	Contour Orchard/Other Fruit Area	<input type="checkbox"/>	647	Habitat Development/Management
<input type="checkbox"/>	335	Controlled Drainage	<input type="checkbox"/>	643	Habitat Restoration
<input type="checkbox"/>	340	Cover/Green Manure Crop	<input type="checkbox"/>	561	Heavy Use Area Protection
<input type="checkbox"/>	342	Critical Area Planting	<input type="checkbox"/>	422	Hedgerow Planting
<input type="checkbox"/>	344	Crop Residue Use	<input type="checkbox"/>	390	Herbaceous Cover - Riparian
<input type="checkbox"/>	589A	Cross Wind Ridges	<input type="checkbox"/>	603	Herbaceous Wind Barriers
<input type="checkbox"/>	589B	Cross Wind Stripcropping (ac)	<input type="checkbox"/>	423	Hillside Ditch
<input type="checkbox"/>	589C	Cross Wind Trap Strips	<input type="checkbox"/>	920	In-lake alum treatment
<input type="checkbox"/>	348	Dam-Diversion	<input type="checkbox"/>	441	Irrigation - Microirrigation
<input type="checkbox"/>	402	Dam-Floodwater Retarding	<input type="checkbox"/>	552B	Irrigation - Regulating Reservoir
<input type="checkbox"/>	349	Dam-Multiple Purpose	<input type="checkbox"/>	320	Irrigation Canal/Lateral
<input type="checkbox"/>	354	Delayed Seedbed Preparation	<input type="checkbox"/>	428	Irrigation Ditch/Canal
<input type="checkbox"/>	356	Dike	<input type="checkbox"/>	388	Irrigation Field Ditch
<input type="checkbox"/>	581	Ditch Stabilization	<input type="checkbox"/>	464	Irrigation Land Leveling
<input type="checkbox"/>	362	Diversion	<input type="checkbox"/>	430	Irrigation Pipeline
<input type="checkbox"/>	007	Dredging	<input type="checkbox"/>	552A	Irrigation Pit
<input type="checkbox"/>	432	Dry Hydrant	<input type="checkbox"/>	442	Irrigation Sprinkler
<input type="checkbox"/>	771	Fabricated Shelter for Livestock (INTERIM)	<input type="checkbox"/>	436	Irrigation Storage Reservoir
<input type="checkbox"/>	380	Farm & Feedlock Windbreak	<input type="checkbox"/>	443	Irrigation Surface/Subsurface
<input type="checkbox"/>	382	Fence	<input type="checkbox"/>	447	Irrigation Tailwater Recovery
<input type="checkbox"/>	386	Field Border	<input type="checkbox"/>	441	Irrigation Trickle
<input type="checkbox"/>	392	Field Windbreak	<input type="checkbox"/>	428B	Irrigation Water Conveyance, Ditch and Canal Lining, Flexible Membrane
<input type="checkbox"/>	393	Filter Strip	<input type="checkbox"/>	428C	Irrigation Water Conveyance, Ditch and Canal Lining, Galvanized Steel
<input type="checkbox"/>	394	Firebreak			
<input type="checkbox"/>	396	Fish Passage			
<input type="checkbox"/>	398	Fish Raceway or Tank			
<input type="checkbox"/>	395	Fish Stream Improvement			
<input type="checkbox"/>	399	Fishpond Management			

<input type="checkbox"/>	428A	Irrigation Water Conveyance, Ditch and Canal Lining, Non-reinforced Concrete
<input type="checkbox"/>	430AA	Irrigation Water Conveyance, Pipeline, Aluminum Tubing
<input type="checkbox"/>	430BB	Irrigation Water Conveyance, Pipeline, Asbestos-Cement
<input type="checkbox"/>	430DD	Irrigation Water Conveyance, Pipeline, High-Pressure, Underground, Plastic
<input type="checkbox"/>	430EE	Irrigation Water Conveyance, Pipeline, Low- Pressure, Underground, Plastic
<input type="checkbox"/>	430CC	Irrigation Water Conveyance, Pipeline, Non-reinforced Concrete
<input type="checkbox"/>	430GG	Irrigation Water Conveyance, Pipeline, Reinforced Plastic Mortar
<input type="checkbox"/>	430HH	Irrigation Water Conveyance, Pipeline, Rigid Grated Pipeline
<input type="checkbox"/>	430FF	Irrigation Water Conveyance, Pipeline, Steel
<input type="checkbox"/>	449	Irrigation Water Management
<input type="checkbox"/>	460	Land Clearing
<input type="checkbox"/>	461	Land Reclamation
<input type="checkbox"/>	543	Land Reconstruction - Abandoned Mine
<input type="checkbox"/>	544	Land Reconstruction - Currently Mined
<input type="checkbox"/>	452	Land Shaft & Audit Closing
<input type="checkbox"/>	466	Land Smoothing
<input type="checkbox"/>	454	Land Subsidence Treatment
<input type="checkbox"/>	455	Land Toxic Discharge Control
<input type="checkbox"/>	468	Lined Waterway or Outlet
<input type="checkbox"/>	472	Livestock Exclusion
<input type="checkbox"/>	634	Manure Transfer
<input type="checkbox"/>	457	Mine Shaft and Audit Closing
<input type="checkbox"/>	482	Mole Drain
<input type="checkbox"/>	484	Mulching
<input type="checkbox"/>	590	Nutrient Management
<input type="checkbox"/>	500	Obstruction Removal
<input type="checkbox"/>	010	Oil and Grit Separator
<input type="checkbox"/>	582	Open Channel
<input type="checkbox"/>	510	Pasture & Hayland Management
<input type="checkbox"/>	512	Pasture/Hay Planting
<input type="checkbox"/>	595	Pest Management
<input type="checkbox"/>	915	Pesticide Management
<input type="checkbox"/>	916	Pipeline
<input type="checkbox"/>	378	Pond
<input type="checkbox"/>	538	Pond - Construction
<input type="checkbox"/>	521	Pond Sealing or Lining
<input type="checkbox"/>	521C	Pond Sealing or Lining, Bentonite Sealant

<input type="checkbox"/>	521A	Pond Sealing or Lining, Flexible Membrane
<input type="checkbox"/>	521B	Pond Sealing or Lining, Soil Dispersant
<input type="checkbox"/>	562	Precision Land Forming
<input type="checkbox"/>	338	Prescribed Burning
<input type="checkbox"/>	532	Pumped Well Drain
<input type="checkbox"/>	533	Pumping Plant-Water Control
<input type="checkbox"/>	550	Range Planting
<input type="checkbox"/>	562	Recreation Area Improvement
<input type="checkbox"/>	566	Recreation Land Grading/Shaping
<input type="checkbox"/>	568	Recreation Trail/Walkway
<input type="checkbox"/>	918	Reduce in-lake total phosphorus
<input type="checkbox"/>	554	Regulating Water in Drainage Systems
<input type="checkbox"/>	329C	Residue Management
<input type="checkbox"/>	329B	Residue Management, Mulch Till
<input type="checkbox"/>	329A	Residue Management, NoTill and Strip Till
<input type="checkbox"/>	344	Residue Management, Seasonal (ac)
<input type="checkbox"/>	555	Rock Barrier
<input type="checkbox"/>	558	Roof Runoff Management
<input type="checkbox"/>	557	Row Arrangement
<input type="checkbox"/>	570	Runoff Management System
<input type="checkbox"/>	350	Sediment Basin
<input type="checkbox"/>	370	Sinkhole & Sinkhole Area Treatment
<input type="checkbox"/>	571	Soil Salinity Management – Non-irrigated
<input type="checkbox"/>	572	Spoil Spreading
<input type="checkbox"/>	574	Spring Development
<input type="checkbox"/>	009	Stream Channel Restoration (Dam removal)
<input type="checkbox"/>	584	Stream Channel Stabilization
<input type="checkbox"/>	580	Streambank and Shoreline Protection
<input type="checkbox"/>	585	Stripcropping - Contour
<input type="checkbox"/>	586	Stripcropping - Field
<input type="checkbox"/>	589	Stripcropping - Wind
<input type="checkbox"/>	606	Subsurface Drain
<input type="checkbox"/>	607	Surface Drain Field Ditch
<input type="checkbox"/>	608	Surface Drain Main
<input type="checkbox"/>	609	Surface Roughening
<input type="checkbox"/>	600	Terrace
<input type="checkbox"/>	610	Toxic Salt Reduction
<input type="checkbox"/>	612	Tree/Shrub Establishment
<input type="checkbox"/>	660A	Tree/Shrub Pruning (ac)
<input type="checkbox"/>	614	Trough or Tank
<input type="checkbox"/>	620	Underground Outlet
<input type="checkbox"/>	645	Upland Wildlife Habitat Management
<input type="checkbox"/>	901	Urban Catch Basin
<input type="checkbox"/>	902	Urban Catch Basin - Oil

<input type="checkbox"/>	903	Urban Catch Basin - Sand
<input type="checkbox"/>	904	Urban Concrete Grid
<input type="checkbox"/>	905	Urban Ext Detention Pond
<input type="checkbox"/>	906	Urban Filtration Basin
<input type="checkbox"/>	907	Urban Grassed Swale
<input type="checkbox"/>	908	Urban Infiltration Basin
<input type="checkbox"/>	909	Urban Infiltration Trench
<input type="checkbox"/>	910	Urban Porous Pavement
<input type="checkbox"/>	911	Urban Stormwater Wetland
<input type="checkbox"/>	912	Urban Vegetated Filter
<input type="checkbox"/>	913	Urban Wet Pond
<input type="checkbox"/>	472	Use Exclusion
<input type="checkbox"/>	601	Vegetative Barriers
<input type="checkbox"/>	630	Vertical Drain
<input type="checkbox"/>	360	Waste Impoundments - Closure
<input type="checkbox"/>	312	Waste Management System
<input type="checkbox"/>	313	Waste Storage Facility
<input type="checkbox"/>	425	Waste Storage Pond
<input type="checkbox"/>	359	Waste Treatment Lagoon
<input type="checkbox"/>	633	Waste Utilization
<input type="checkbox"/>	635	Wastewater Treatment Strip
<input type="checkbox"/>	587	Water Control Structure
<input type="checkbox"/>	636	Water Harvesting Catchment
<input type="checkbox"/>	641	Water Table Control
<input type="checkbox"/>	614	Watering Facility
<input type="checkbox"/>	917	Watershed Management Plan
<input type="checkbox"/>	640	Water spreading
<input type="checkbox"/>	638	Water/Sediment Control Basin
<input type="checkbox"/>	642	Well - General
<input type="checkbox"/>	351	Well Decommissioning
<input type="checkbox"/>	005	Well Sealing
<input type="checkbox"/>	656	Wetland – Constructed
<input type="checkbox"/>	006	Wetland Acquisition-protection
<input type="checkbox"/>	658	Wetland Creation
<input type="checkbox"/>	659	Wetland Enhancement
<input type="checkbox"/>	657	Wetland Restoration
<input type="checkbox"/>	646	Wildlife – Shallow Water Management
<input type="checkbox"/>	645	Wildlife – Upland Area Management
<input type="checkbox"/>	648	Wildlife -Watering
<input type="checkbox"/>	644	Wildlife – Wetland Management
<input type="checkbox"/>	422A	Wind Barrier – Herbaceous
<input type="checkbox"/>	650	Windbreak Renovation
<input type="checkbox"/>	380	Windbreak/Shelterbelt Establishment

Watershed Information

Watershed Information. To enter – select appropriate box and type value or choose appropriate default value.	
Is this a statewide project? (i.e. Education/Information or Demonstration?) <input type="checkbox"/> YES <input type="checkbox"/> NO If no -provide information below:	
Major Basin and Latitude/Longitude and location map of site(s) if applicable(attach map to completed form).	
Major Basin: (i.e. Housatonic, Thames, Connecticut River, Southwest Coastal, South East Coastal, South Central Coastal)	
Latitude:	Longitude:

Waterbody Information*

Waterbody Type* (select items below as appropriate) To enter – select appropriate box and choose appropriate default value.			
<input type="checkbox"/>	Coastal Marine	<input type="checkbox"/>	Ponds
<input type="checkbox"/>	Estuaries	<input type="checkbox"/>	Reservoirs
<input type="checkbox"/>	Great Lakes	<input type="checkbox"/>	Rivers/Streams
<input type="checkbox"/>	Groundwater	<input type="checkbox"/>	Tidal Wetlands
<input type="checkbox"/>	Lakes	<input type="checkbox"/>	Non-tidal Wetlands
<input type="checkbox"/>	Oceans	<input type="checkbox"/>	Other

Priority for Total Maximum Daily Load (TMDL) Development*

Is the Waterbody on the 303d list? If applicable, is this project noted in the most recent list of Connecticut Waterbodies Not Meeting Water Quality Standards (or Impaired Waters List) See: http://www.dep.state.ct.us/wtr/index.htm (scroll to water quality management program and select most recent list. The list is final and will be updated every 2 years. See appendix B for impaired designated use and priority). <input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> NOT APPLICABLE – STATWIDE PROJECT What is/are the impaired designated use(s)?	
The priority for TMDL Development is (H,M,L,T) For definition of TMDL see http://www.dep.state.ct.us/wtr/tmdl/index.htm <input type="checkbox"/> High <input type="checkbox"/> Medium <input type="checkbox"/> Low <input type="checkbox"/> T (under study)	
Funds from this project are being used for (Select item(s) below)*:	
<input type="checkbox"/>	Developing a TMDL
<input type="checkbox"/>	Developing a TMDL Implementation Plan(s) to achieve specific load-reduction goals
<input type="checkbox"/>	Implementing a TMDL
<input type="checkbox"/>	Not Applicable (N/A)

Clean Lakes Information*

<p>If "lake", "reservoir", or "pond" was selected along with other waterbody types do not complete the CLEAN LAKES data element. In this data element record the appropriate response "yes" or "no" in answering the question regarding clean lakes type of activity. If the answer is "no", then no further action is necessary. If the answer is "yes", complete the appropriate portion of the data element. <input type="checkbox"/> YES <input type="checkbox"/> NO</p>	
Select item(s) below and enter \$ amount:	
	Lake Water Quality Assessment (LWQA):
	Phase 1 Diagnostic/Feasibility Studies:
	Phase 2 Restoration/Implementation Projects:
	Phase 3 Post-Restoration Monitoring:
	Other lake-specific activity:
<p><input type="checkbox"/> YES <input type="checkbox"/> NO Does this activity relate to the development and implementation of statewide programs for lakes, reservoirs, or pond-related activities? (If yes complete Program section below)</p>	
Program*	
Select items below and Enter \$ amount	
	Education and training:
	Technical assistance:
	Regulation/ordinance development:
	Other:

Environmental Goals/Achievements*

<p>How do you plan to evaluate the effectiveness of this project? * For this section, provide a narrative on how you plan to evaluate this project. Actual results will need to be reported at the end of this project. The investigator(s) will be responsible for quantifying benefits of the project in terms of pollutant load reduction to receiving water (before and after project implementation - e.g., reductions in nitrogen, phosphorus, and/or sediments, etc) or in terms of water quality improvement - e.g., ambient chemistry or meeting designated uses not previously met. For streambank and wetlands protection or restoration projects, the investigator will identify the linear feet of streambank, or acres of wetlands, to be protected or restored. Both qualitative and quantitative measures can be used in this section. Measures that may be used include such things as attendance at public meetings; number of volunteers recruited; acres of watershed surveyed; number of articles published; list of sites with BMPs known to be installed due to project.</p>	
Wetlands/Streambanks/Shorelines*	
<p>Please select the appropriate item as it relates to the project or task. There should be a planned and actual (when available) positive numerical value for each selection (Alphanumeric entries will result in an error; negative numbers will compute to zero). To enter – select appropriate box(s) and type value or choose appropriate default value. Select up to 4:</p>	
<input type="checkbox"/>	Wetlands restored - Number of Acres
<input type="checkbox"/>	Wetlands created - Number of Acres
<input type="checkbox"/>	Streambank and Shoreline Protection - Number of Linear Feet
<input type="checkbox"/>	Streambank Channel Stabilization – Number of Linear Feet
<input type="checkbox"/>	Not applicable

Qualitative Measures To enter – select appropriate box and type value or choose appropriate default value.	
Measure	Number
Volunteers recruited	
Articles Published	
Acres of Watershed surveyed	
Attendance of public meeting(s) held	
Other Measures:	
Other Measures:	
Other Measures:	
Other Measures:	
Other Measures:	
Other Measures:	
Other Measures:	
Other Measures:	

Quantitative Measures
<p>The federal EPA requires all 319 projects that will effectively reduce the load of Nitrogen, Phosphorus or Sediments to adjacent receiving waters to estimate the pounds of each pollutant that will be controlled. Because most of these projects are difficult and costly to field monitor, CT DEP is requesting only very basic information about project setting and scope from each grantee. DEP will calculate the potential pollutant load reductions using a simple model entitle Region 5 model.</p> <p>- Is this project a BMP implementation project addressing nitrogen, phosphorus, and/or sediment?</p> <p> <input type="checkbox"/> YES <input type="checkbox"/> NO If the answer is “YES” Please fill out the appropriate data form (1-5) attached. </p> <p>- If you are unable to fill out any of the data forms, you should at a minimum provide the following information:</p> <ol style="list-style-type: none"> 1. What is the size of the watershed affected? 2. List the BMP(s) that will be utilized? 3. What pollutants are being targeted? 4. Information of pre-management load of the pollutant (i.e. If there is an erosion problem and it was estimated that 20 tons of sediment is getting into the stream) ...then provide your perceived estimate.

Form 1. Agricultural Fields and Field Filter Strips
POLLUTANT REDUCTION DATA FORM SECTION 319 FUNDED PROJECTS

*Project No.

*Project Name

*Today's Date:

*Contact and Phone:

*Field Installation Start Date:

*Completion of Field Installation:

*Soil Textural Class: (Check one)

Clay (clay, clay loam, and silt clay)

Silt (silt, silty clay loam, loam and silt loam)

Sand (sand, sandy clay, sandy clay loam, sandy loam, and loamy sand)

Peat

Soil P Concentration (lb/lb soil)

Soil N Concentration (lb/lb soil)

*Management Activity (e.g., filter strip, farming practice):

*New acres under management within this grant period:

(or provide topo sheet with area outlined. If several practices are being applied, please note practices on the map specific to the area of application)

*Old acres from prior years under *continuing* management:

(we need to know if a land owner who incorporated a BMP in prior years, such as nutrient management, is no longer actively participating in the program)

*** = Required Field**

Form 2. Feedlots
POLLUTANT REDUCTION DATA FORM SECTION 319 FUNDED PROJECTS

*Project No.

*Project Name:

*Today's Date:

*Contact and Phone:

*Field Installation Start Date:

*Completion of Field Installation:

Number of Animals	Current Grant	Continuing*
Slaughter Steer		
Young Beef		
Dairy Cow		
Young Dairy Stock		
Swine		
Feeder Pig		
Sheep		
Turkey		
Chicken		
Duck		
Horse		

* Continuing from prior years, (i.e., cumulative number of animals in managed activity.)

*Management Activity (e.g., filter strip, retention basin):

*Area of feedlot: acres

*Area paved: 0-24% 25-49% 50-74% 75-100%

* = **Required Field**

Form 3. Gully Stabilization or Similar Activity
POLLUTANT REDUCTION DATA FORM SECTION 319 FUNDED PROJECTS

*Project No

*Project Name:

*Today's Date

*Contact and Phone

*Field Installation Start Date:

*Completion of Field Installation

*Soil Textural Class: (Check one)

Sands, loamy sands

Silty clay loam, silty clay

Sandy loam

Clay loam

Fine sandy loam

Clay

Loams, sandy clay loams, sandy clay

Silt Loam

Organic

*Gully Top Width ft

*Gully Bottom Width ft

*Gully Depth ft

*Gully Length to be Stabilized ft

Soil P Concentration (lb/lb soil)

Soil N Concentration (lb/lb soil)

*Management Activity (e.g., rip rap, vegetation):

Form 4. Stream Bank Stabilization, Buffer or Similar Activity
POLLUTANT REDUCTION DATA FORM SECTION 319 FUNDED PROJECTS

*Project No. _____ *Project Name: _____

*Today's Date: _____ *Contact and Phone: _____

*Field Installation Start Date: _____ *Completion of Field Installation: _____

*Soil Textural Class: Sands, loamy sands _____ Silty clay loam, silty clay _____
 (Check one) Sandy loam _____ Clay loam _____
 Fine sandy loam _____ Clay _____
 Loams, sandy clay loams, sandy clay _____
 Silt Loam _____ Organic _____

*Side 1 Bank Length _____ ft *Side 2 Bank Length _____ ft

*Side 1 Bank Height from Baseflow _____ ft

*Side 2 Bank Height from Baseflow _____ ft

Soil P Concentration (lb/lb soil) _____ Soil N Concentration (lb/lb soil) _____

*Management Activity (e.g., rip rap, vegetation): _____

*Lateral Recession Rate (if known, or estimated from table below): _____ ft/yr

LRR (ft/yr)	Category	Description
0.01 - 0.05	Slight	Some bare bank but active erosion not readily apparent. Some rills but no vegetative overhang. No exposed tree roots.
0.06 - 0.2	Moderate	Bank is predominantly bare with some rills and vegetative overhang.
0.3 - 0.5	Severe	Bank is bare with rills and severe vegetative overhang. Many exposed tree roots and some fallen trees and slumps or slips. Some changes in cultural features such as fence corners missing and realignment of roads or trails. Channel cross-section becomes more U-shaped as opposed to V-shaped.
0.5+	Very Severe	Bank is bare with gullies and severe vegetative overhang. Many fallen trees, drains and culverts eroding out and changes in cultural features as above. Massive slips or washouts common. Channel cross-section is U-shaped and streamcourse or gully may be meandering

Form 5. Urban and Suburban Development
POLLUTANT REDUCTION DATA FORM SECTION 319 FUNDED PROJECTS

*Project No. _____ *Project Name: _____

*Today's Date: _____ *Contact and Phone: _____

*Field Installation Start Date: _____ *Completion of Field Installation: _____

*Acres of Land (If unknown, please attach topo map with area clearly marked): _____

	Sewered	Unsewered
Commercial	0	0
Industrial	0	0
Institutional	0	0
Transportation	0	0
Multi-Family	0	0
Residential	0	0
Agriculture	0	0
Vacant	0	0
Open Space	0	0

*Management Activity (e.g., filter strip, retention basin): _____